

REMARKS

Claims 2-4, 6-16, 18-24, 26-28 and 31-34 are pending in the present application. In the Office Action mailed April 22, 2002, claims 2-4, 6-16, 18-24, 26-28 and 31-34 were rejected. More specifically, the status of the application in light of this Office Action is as follows:

(A) Claims 2-4, 6-8, 10-15, 18, 21-24 and 30 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,287,245 to Lucente et al. ("Lucente") in view of U.S. Patent No. 6,205,021 to Klein et al. ("Klein") and in further view of U.S. Patent No. 6,282,082 to Armitage et al. ("Armitage");

(B) Claims 9, 16, 26-28 and 31-34 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Lucente, Armitage, and Klein in further view of U.S. Patent No. 6,104,604 to Anderson et al. ("Anderson");

(C) Claims 19 and 20 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Klein, Armitage, and Lucente in view of U.S. Patent No. 6,108,716 to Kimura et al. ("Kimura"); and

(D) Claims 31 and 32 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Klein, Lucente, and Anderson in view of Kimura.

A. Response to the Section 103(a) Rejection of Claims 2-4, 6-8, 10-15, 18, 21-24 and 30

Claims 2-4, 6-8, 10-15, 18, 21-24 and 30 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Lucente in view of Klein and Armitage.

1. Claim 18 is Directed to a Portable Computer Having a Base and a Removable Wireless Keyboard With a Power Supply Independent of the Base That Includes an External Alternating Current Power Adapter

Claim 18 is directed to a portable personal computer including a base having a recess and a controller for controlling operations, a display attached to the base, and a removable wireless keyboard for communicating with the controller in the base. The wireless keyboard communicates with the controller through a signal interface when the keyboard is mounted into the base and through a wireless connection when the

keyboard is removed from the base. The keyboard has an upper surface, a lower surface and at least one side surface. When the keyboard is mounted in the base, the lower surface and/or the at least one side surface is received in the recess. The removable wireless keyboard also has a power supply independent of the base that includes an external alternating current power adapter.

2. Claim 30 is Directed to an Input Device for a Portable Computer Including a Removable Wireless Keyboard Having a Power Supply Independent of the Computer That Includes an External Alternating Current Power Adapter Source

Claim 30 is directed to a portable personal computer including a removable wireless keyboard capable of being mounted within a base of the portable computer. The removable wireless keyboard communicates with the portable computer through a hardwired interlocking connection when the keyboard is mounted within the base and through a wireless connection when the keyboard is removed from the base. The removable wireless keyboard has a power supply independent of the computer that includes an external alternating current power adapter source.

3. Claims 18 and 30 Were Previously Indicated to be Allowable

In an Office Action mailed January 15, 2002, claims 18 and 30 were indicated to be allowable over Klein, Kimura and Lucente if rewritten in independent form. In the response to the January 15, 2002 Office Action, claims 18 and 30 were rewritten in independent form without narrowing the scope of these claims. In the present Office Action (mailed April 22, 2002), claims 18 and 30 were rejected on the basis of Klein, Lucente, and newly cited Armitage. In particular, Armitage was cited for disclosing "a removable keyboard ha[ving] a power supply independent of the base, and that the power supply includes an external alternating current power adapter."

4. Armitage Discloses an AC Adapter Connector Coupled to a Motherboard

Armitage discloses a modular tablet computer 100, 300 comprising a tablet computer system 102, a base unit 104, and a wireless keyboard unit 106 (Columns 3-4, lines 66-1). The tablet computer system includes a motherboard 302 that supports a wide

variety of system components (Column 7, lines 17-18). One such component is an AC adapter connector 362 that is capable of receiving a connector from an AC adapter to receive auxiliary power for running the tablet computer 300 or for charging the batteries 364 (Column 8, lines 43-45). Figure 3 illustrates the AC adapter connector 362 coupled to the motherboard 302.

5. Claim 18 is Patentable Over the Applied References Because, *Inter Alia*, Armitage Fails to Disclose a Removable Wireless Keyboard Having a Power Supply Independent of the Base That Includes an External Alternating Current Power Adapter

Claim 18 is patentable over the applied references because, *inter alia*, Armitage fails to disclose a "removable wireless keyboard ha[ving] a power supply independent of said base, and wherein said power supply includes an external alternating current power adapter." As discussed above, the Examiner indicated that claim 18 was patentable over Lucente in view of Klein. Armitage does not cure the deficiencies of Lucente and Klein as references adequate to support a rejection under Section 103(a). For example, Armitage does not disclose a wireless keyboard having "a power supply independent of said base, and wherein the power supply includes an external alternating current power adapter." Comparing Figures 3 and 8, it appears that the motherboard and the AC adapter connector are in the tablet computer system. Therefore, (assuming for the sake of argument that Armitage's keyboard corresponds in part to the keyboard of claim 18, and that Armitage's tablet computer system corresponds in part to the display and/or base of claim 18) Armitage discloses an AC adapter connector coupled to his motherboard which is part of his tablet computer system. Furthermore, Armitage does not provide motivation for moving the AC adapter connector to the keyboard. Accordingly, the applied references fail to support a *prima facie* case of obviousness under Section 103. Therefore, claim 18 is patentable over the applied references and the Section 103(a) rejection should be withdrawn.

Claims 2-4, 6-8, 10-15 and 21-24 depend from claim 18 and are patentable over the applied references for the reasons discussed above and for the additional features of these dependent claims. Accordingly, the Section 103(a) rejection of these claims should be withdrawn.

Independent claim 30 includes, *inter alia*, features generally similar to those described above with reference to claim 18. Accordingly, claim 30 is patentable over the applied references for the reasons discussed above with reference to claim 18 and for the additional features of claim 30.

B. Response to the Section 103(a) Rejection of Claims 9, 16, 26-28 and 31-34

Claims 9, 16, 26-28 and 31-34 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Lucente, Armitage, and Klein in view of Anderson. Claims 9 and 16 (which depend from claim 18) and claims 26-28 and 31-34 (which depend from claim 30) are patentable over the applied references for the reasons discussed above with reference to claims 18 and 30 and for the additional features of these claims. Furthermore, Anderson fails to cure the above-noted deficiencies of Lucente, Armitage, and Klein as references adequate to support a rejection under Section 103(a). For example, Anderson discloses a modular keyboard that can be transferred between a portable computer and a desktop computer. Anderson fails to disclose, *inter alia*, a "removable wireless keyboard ha[ving] a power supply independent of said base, and wherein said power supply includes an external alternating current power adapter." Accordingly, the Section 103(a) rejection of these claims should be withdrawn.

C. Response to the Section 103(a) Rejection of Claims 19 and 20

Claims 19 and 20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Klein, Armitage, and Lucente in view of Kimura. Claims 19 and 20 depend from claim 18 and are patentable over the applied references for the reasons discussed above with reference to claim 18 and for the additional features of these claims. Furthermore, Kimura fails to cure the above-noted deficiencies of Lucente, Armitage, and Klein as references adequate support a rejection under Section 103(a). For example, Kimura discloses a keyboard-detachable data processing unit in which the keyboard has batteries that are charged by connecting a power reception connector on the keyboard to a power supply connector on the data processing unit. Therefore, Kimura fails to disclose, *inter alia*, a "removable wireless keyboard ha[ving] a power supply independent of said base, and wherein said power supply includes an external alternating current power adapter." Accordingly, the Section 103(a) rejection of these claims should be withdrawn.

D. Response to the Section 103(a) Rejection of Claims 31 and 32

Claims 31 and 32 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Klein, Lucente, and Anderson in view of Kimura. Claims 31 and 32 depend from claim 30 and are patentable over the applied references for the reasons discussed above and for the additional features of these claims. Accordingly, the Section 103(a) rejection of these claims should be withdrawn.

E. Conclusion

In light of the foregoing remarks, all of the pending claims are in condition for allowance. Applicant, therefore, requests reconsideration of the application and an allowance of all pending claims. If the Examiner wishes to discuss the above-noted distinctions between the claims and the cited references, or any other distinctions, the Examiner is encouraged to contact David Dutcher by telephone. Additionally, if the Examiner notices any informalities in the claims, he is also encouraged to contact David Dutcher to expediently correct any such informalities.

Respectfully submitted,

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Enclosures:

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Petition for Extension of Time

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